GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:379
ANSWERED ON:04.12.2003
DEMAND AND SUPPLY OF POWER
JAGMEET SINGH BRAR

Will the Minister of POWER be pleased to state:

(a) the demand and supply of power in industrial and domestic sectors in the country as on 31st October, 2003;

(b) the details of the deficient States and steps being taken to improve supply of power to them;

(c) whether efforts have been made to supply power through non-conventional energy sources in these States;

(d) if so, details thereof; and

(e) if not, the reasons therefor?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) :The details of demand and energy consumption by various category of consumers in the country including industrial and domestic sectors are compiled annually by the Central Electricity Authority based on data of States/UTs which arefurnished by them after compilation on the close of financial year. However, according to 16th Electric Power Survey Report, energy consumption in industrial and domestic sectors during 2003-04 is estimated to be 173232 MU and 105787 MU respectively i.e.37% and 22.6% of total energy consumption by all sectors in the country.

(b) :State-wise power supply position both in terms of energy and peak during April-October 2003 is given in Annex-I & II respectively.

Electricity is a concurrent subject and distribution of power in a State is the responsibility of the States/State Power Utility concerned. Central Government supplements the efforts of States by setting up of power plants in the Central Sector through Central Public Sector Undertakings [CPSUs]. The following steps are being taken to improve availability of power and supply of power in the country :-

i] Increase of generation from existing thermal power plants.

ii] Enhancement of inter-regional transfer of power from surplus region[s] to deficit region[s].

iii] Funds are being provided for strengthening/augmentation of sub-transmission and distribution systems of states under Accelerated Power Development & Reforms Programme for reduction in Transmission and Distribution losses.

iv] Demand side management and promotion of energy efficiency and conservation measures.

v] Disbursement of loans with interest subsidy by Power Finance Corporation for Renovation, Modernization and Life Extension Schemes for old and inefficient generating units.

vi] Generation capacity addition of around 41,110 MW has been targeted for 10th Five Year Plan in all Sectors [State + Private + Central].

(c) :Yes Sir. However, renewable power is natural resource based and can be harnessed only in areas where that resource occurs. It is difficult to set up renewable power Plants without taking into account the aforesaid constraint. To the extent it is techno-economically feasible, renewable power is expected to supplement conventional power in mitigating the problems of the deficient States.

(d) : The total installed capacity of renewable power in the country as on 31.3.2003 is 3944.30 MW. Ministry of Non-Conventional Energy Sources, Govt. ofIndia, in the long term i.e. upto the end of the 11th Plan, aims to assist in setting up around 10% of the installed power generation capacity through renewable sources viz. wind, small hydro and biomass.

(e) :Does not arise in view of (c) and (d) above.

ANNEX-I

ANNEXE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.379 TO BE ANSWERED IN THE LOK SABHA ON 4.12.2003.

Actual Power Supply Position

Energy
April - October 2003

State/ System/ Region	Requirement [MU]	Availability [MU]	Surplus[+]/ Deficit [-] [MU]	Surplus[+] Deficit [-]/ [%]
Chandigarh	693	692	-1	-0.1
Delhi	12620	12430	-190	-1.5
Haryana	12653	12141	-512	-4.0
Himachal Pradesh	1999	1992	-7	-0.4
Jammu & Kashmir	4014	3764	-250	-6.2
Punjab	20677	20041	-636	-3.1
Rajasthan	13835	13737	-98	-0.7
Uttar Pradesh	26914	23226	-3688	-13.7
Uttaranchal	2390	2348	-42	-1.8
Northern Region	95795	90371	-5424	-5.7
Chhattisgarh	5823	5623	-200	-3.4
Gujarat	31232	27826	-3406	-10.9
Madhya Pradesh	16130	14112	-2018	-12.5
Maharashtra	48845	44559	-4286	-8.8
Daman & Diu [#]	183	183	0	0.0
Dadar Nagar Haveli [#]	291	291	0	0.0
Goa	1125	1125	0	0.0
Western Region	103629	93719	-9910	-9.6
Andhra Pradesh	26369	25445	-924	-3.5
Karnataka	19716	16684	-3032	-15.4
Kerala	7422	7162	-260	-3.5
Tamil Nadu	2579	25550	-241	-0.9
Pondicherry	869	869	0	0.0
Southern Region	80167	75710	-4457	-5.6
Bihar	4422	3369	-1053	-23.8
DVC	4756	4696	-60	-1.3
Jharkhand	1870	1775	-95	-5.1
Orissa	8039	7912	-127	-1.6
West Bengal + Sikkim	13539	13254	-285	-2.1
Eastern Region	32625	31008	-1620	-5.0
Arunachal Pradesh	113	111	-2	-1.8
Assam	2078	1963	-115	-5.5
Manipur	275	270	-5	-1.8
Meghalaya	621	600	-21	-3.4
Mizoram	157	153	-4	-2.5
Nagaland	172	170	-2	-1.2
Tripura	425	402	-2.3	-5.4
North-Eastern Region	3841	3669	-172	-4.5
All India	316068	294475	-21583	-6.8

[#] Daman & Diu and Dadar Nagar Haveli figures for the period of April - August 2003 are included in Gujarat.

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 379 TO BE ANSWERED IN THE LOK SABHA ON 4.12.2003.

Peak Demand / Peak

April - October 2003

State/System/Region	Peak Demand [MW]	Peak Met [MW]	Surplus[+] / Deficit[-] [%]	Surplus[+]/ Deficit [-]
Chandigarh	188	188	0	0.0
Delhi	3389	3284	-105	-3.1
Haryana	3465	3278	-187	-5.4
Himachal Pradesh	665	665	0	0.0
Jammu & Kashmir	1268	1218	-50	-3.9
Punjab	5922	5622	-300	-5.1
Rajasthan	3820	3711	-109	-2.9
Uttar Pradesh	7218	6134	-1084	-15.0
Uttaranchal	766	726	-40	-5.2
Northern Region	23817	21961	-1856	-7.8
Chhattisgarh	1669	1485	-184	-11.0
Gujarat	9238	6965	-2273	-24.6
Madhya Pradesh	4919	4456	-463	-9.4
Maharashtra	13612	11078	-2534	-18.6
Daman & Diu [#]	203	203	0	0.0
Dadar Nagar Haveli [#]	315	315	0	0.0
Goa	321	321	0	0.0
Western Region	28147	22811	-5336	-19.0
Andhra Pradesh	8679	7143	-1536	-17.7
Karnataka	6213	4913	-1300	-20.9
Kerala	2442	2174	-268	-11.0
Tamil Nadu	6772	6710	-62	-0.9
Pondicherry	235	235	0	0.0
Southern Region	21788	19944	-1844	-8.5
Bihar	973	741	-232	-23.8
DVC	1275	1156	-120	-9.4
Jharkhand	539	468	-73	-13.5
Orissa	2215	2004	-211	-9.5
West Bengal + Sikkim	3836	3652	-184	-4.8
Eastern Region	8594	7710	-884	-10.3
Arunachal Pradesh	50	50	0	0.0
Assam	738	635	-103	-14.0
Manipur	115	111	-4	-3.5
Meghalaya	198	195	-3	-1.5
Mizoram	71	68	-3	-4.2
Nagaland	62	62	0	0.0
Tripura	190	153	-37	-19.5
North-Eastern Region	1259	1071	-188	-14.9

All India	81577	72679	-8998	-11.0

[#] Daman & Diu and Dadar Nagar Haveli figures for the period of April - August 2003 are included in Gujarat.